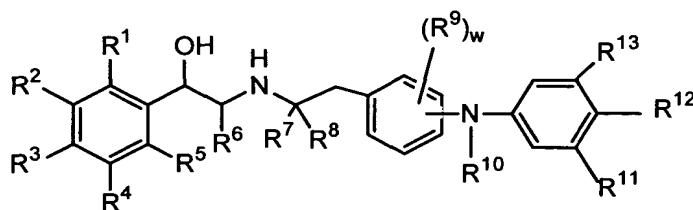


## ABSTRACT OF THE DISCLOSURE

The invention provides novel  $\beta_2$  adrenergic receptor agonist compounds of  
5 formula (I):



(I)

wherein  $R^1$ - $R^{13}$  and  $w$  have any of the values described in the specification. The  
invention also provides pharmaceutical compositions comprising such compounds,  
methods of using such compounds to treat diseases associated with  $\beta_2$  adrenergic receptor  
10 activity, and processes and intermediates useful for preparing such compounds.